

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046636 A1

- (51) International Patent Classification⁷: **A61K 9/00**
- (21) International Application Number:
PCT/IB2004/003804
- (22) International Filing Date:
4 November 2004 (04.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0326632.7 14 November 2003 (14.11.2003) GB
- (71) Applicant (*for all designated States except US*):
JAGOTEC AG [CH/CH]; Eptingerstrasse 51, CH-4132
MuttENZ (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): MUELLER-
WALZ, Rudi [DE/DE]; Hans-Vetter-Strasse 108,
79650 Schopfheim (DE). STEINER, Roland [CH/CH];
Saeckingerstrasse 17, CH-4310 Rheinfelden (CH).
- (74) Agents: BASSIL, Nicholas, Charles et al.; Kilburn &
Strode, 20 Red Lion Street, London WC1R 4PJ (GB).
- (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).
- Published:**
— *with international search report*
— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: DRY POWDER FORMULATIONS

(57) Abstract: A dry powder suitable for inhalation in a dry powder inhaler, the powder comprising a carrier, an active agent and at least 0.5% by weight of magnesium stearate, the powder being further characterized in that the less than 10% of the surface of the carrier material is covered with particles of magnesium stearate. The invention is also directed to a method of making dry powders by blending together the ingredients mentioned in a diffusion blender for a period time that is less than 60 minutes.

WO 2005/046636 A1